

CLAIM AMENDMENTS

Claim 1. (cancelled)

Claim 2. (cancelled)

Claim 3. (cancelled)

Claim 4. (cancelled)

Claim 5. (cancelled)

Claim 6. (cancelled)

Claim 7. (cancelled)

Claim 8. (cancelled)

Claim 9. (cancelled)

Claim 10. (cancelled)

Claim 11. (cancelled)

Claim 12. (previously presented) The bending apparatus according to Claim 13, wherein the rolling devices (19, 20) are freely movable sideways and are guided sideways by the upstanding sides of the sheet for adaptation to the width of the sheet.

Claim 13. (currently amended) A bending apparatus for bending a profile of a metal sheet with upstanding sides (11, 13), said apparatus comprising, for each said upstanding side: a rolling device (19, 20) with a pair of rollers (15, 16; 17, 18) for rolling said upstanding side between said pair of rollers for selectively thinning a part of said upstanding side of said metal sheet for bending said profile of said metal sheet; a device (42) for adjusting the rolling force of said pair of rollers; and a device (40, 41) for adjusting the angle between the axes of said pair of rollers for selectively thinning a part of said upstanding side of said metal sheet for bending said profile of said metal sheet; wherein said rolling devices (19, 20) are movably carried by a frame (30) so as to be movable towards and away from each other along guides (31 - 34) for adaptation to the width of the profile; and wherein the devices for adjusting the angle between the axes of the rollers and for adjusting the rolling force of the rollers comprise ball screws (41, 42) controlled by motors.

Claim 14. (cancelled)

Claim 15. (previously presented) A bending apparatus for bending a metal sheet with upstanding sides (11, 13), said apparatus comprising, for each said upstanding side: a rolling device (19, 20) with a pair of rollers (15, 16; 17, 18) for rolling said upstanding side between said pair of rollers; a device (42) for adjusting the rolling force of said pair of rollers; and a device (40, 41) for adjusting the angle between the axes of said pair of rollers;

wherein said rolling devices (19, 20) are movably carried by a frame (30) so as to be movable towards and away from each other along guides (31 - 34) for adjusting the width of the sheet,

wherein the rolling devices (19, 20) are freely movable sideways and are guided sideways by the upstanding sides of the sheet for adaptation to the width of the sheet,

wherein the devices for adjusting the angle between the axes of the rollers and for adjusting the rolling force of the rollers comprise ball screws (41, 42) controlled by motors.

Claim 16. (previously presented) The bending apparatus according to Claim 15, further including ball screws (36) for displacing the rolling devices (19, 20) along guides (31 - 34).

Claim 17. (cancelled)

Claim 18. (original) The bending device according to Claim 12, further including ball screws (36) for displacing the rolling devices (19, 20) along said guides (31 - 34).

Claim 19. (original) The bending device according to Claim 13, further including ball screws (36) for displacing the rolling devices (19, 20) along guides (31 - 34).

Claim 20. (cancelled)

Claim 21. (previously presented) A bending apparatus for bending a profile of a metal sheet with upstanding sides (11, 13), said apparatus comprising, for each said upstanding side: a rolling device (19, 20) with a pair of rollers (15, 16; 17, 18) for rolling said upstanding side between said pair of rollers for selectively thinning a part of said upstanding side of said metal sheet for bending said profile of said metal sheet; a device (42) for adjusting the rolling force of said pair of rollers; and a device (40, 41) for adjusting the angle between the axes of said pair of rollers for selectively thinning a part of said upstanding side of said metal sheet for bending said profile of said metal sheet; wherein said rolling devices (19, 20) are movably carried by a frame (30) so as to be movable towards and

away from each other along guides (31 - 34) for adaptation to the width of the profile; said bending apparatus further including means for controlling said device (42) for adjusting the rolling force of said pair of rollers during a bending operation.

Claim 22. (previously presented) A bending apparatus for bending a profile of a metal sheet with upstanding sides (11, 13), said apparatus comprising, for each said upstanding side: a rolling device (19, 20) with a pair of rollers (15, 16; 17, 18) for rolling said upstanding side between said pair of rollers for selectively thinning a part of said upstanding side of said metal sheet for bending said profile of said metal sheet; a device (42) for adjusting the rolling force of said pair of rollers; and a device (40, 41) for adjusting the angle between the axes of said pair of rollers for selectively thinning a part of said upstanding side of said metal sheet for bending said profile of said metal sheet; wherein said rolling devices (19, 20) are movably carried by a frame (30) so as to be movable towards and away from each other along guides (31 - 34) for adaptation to the width of the profile; said bending apparatus further including means for controlling said device (40, 41) for adjusting the angle between the axes of said pair of rollers during a bending operation.

Claim 23. (previously presented) A bending apparatus for bending a profile of a metal sheet with upstanding sides (11, 13), said apparatus comprising, for each said upstanding side: a rolling device (19, 20) with a pair of rollers (15, 16; 17, 18) for rolling said upstanding side between said pair of rollers for selectively thinning a part of said upstanding side of said metal sheet for bending said profile of said metal sheet; a device (42) for adjusting the rolling force of said pair of rollers; and a device (40, 41) for adjusting the angle between the axes of said pair of rollers for selectively thinning a part of said upstanding side of said metal sheet for bending said profile of said metal sheet; wherein said rolling devices (19, 20) are movably carried by a frame (30) so as to be movable towards and away from each other along guides (31 - 34) for adaptation to the width of the profile; said bending apparatus further including first means for controlling said device (42) for adjusting the rolling force of said pair of rollers during a bending operation, and second means for controlling said device (40, 41) for adjusting the angle between the axes of said pair of rollers during a bending operation.

Claim 24. (cancelled)

Claim 25. (previously presented) The bending apparatus according to Claim 21, wherein the rolling devices (19, 20) are

freely movable sideways and are guided sideways by the upstanding sides of the sheet for adaptation to the width of the sheet.

Claim 26. (previously presented) The bending apparatus according to Claim 22, wherein the rolling devices (19, 20) are freely movable sideways and are guided sideways by the upstanding sides of the sheet for adaptation to the width of the sheet.

Claim 27. (previously presented) The bending apparatus according to Claim 23, wherein the rolling devices (19, 20) are freely movable sideways and are guided sideways by the upstanding sides of the sheet for adaptation to the width of the sheet.

Claim 28. (previously presented) The bending apparatus according to Claim 21, further including ball screws (36) for displacing the rolling devices (19, 20) along guides (31 - 34).

Claim 29. (previously presented) The bending apparatus according to Claim 22, further including ball screws (36) for displacing the rolling devices (19, 20) along guides (31 - 34).

Claim 30. (previously presented) The bending apparatus according to Claim 23, further including ball screws (36) for displacing the rolling devices (19, 20) along guides (31 - 34).